

## **BIBLE**

### **Sixth Grade**

**Exploring Jesus' Life:** His Teaching, Death, Resurrection and the Early Church

- Identify the Bible as God's way of communicating to humanity
- Demonstrate how to use aides for greater understanding when studying the Bible
- Understand that God is omnipotent, omniscient and infinite, yet is affected by your response to Him
- Explain the relationship of God, heaven and the angels to Jesus and His life on earth
- Know what the great controversy is and how the plan of salvation relates to it
- Know the gospel story and why it is important to accept Jesus as Savior and model one's life after His
- Understand importance of baptism, becoming a part of God's family
- Explain the mission of the church and the importance of using one's spiritual gifts to share the Gospel with all people
- Understand the early development of the Christian church

## **FINE ARTS**

### **Art**

- Select media, techniques and processes; analyze what makes them effective or not effective in communicating ideas; and reflect upon the effectiveness of their choices
- Employ organizational structures and analyze their effectiveness in the communication of ideas
- Use subjects, themes and symbols that demonstrate knowledge of contexts, values and aesthetics that communicate intended meaning in artwork
- Describe and place a variety of art objects in historical and cultural context
- Analyze, describe and demonstrate how factors of time and place influence visual characteristics that give meaning and value to a work of art
- Describe and compare a variety of individual responses to their own artworks and to artworks from various eras and cultures
- Describe ways in which the principles and subject matter of other disciplines taught in the school are interrelated with the visual arts

### **Music**

- Recognize and write the C major scale
- Recognize the sound of a major scale
- Sight-read a simple song
- Identify and sing cadence
- Demonstrate and use first and second endings
- Identify canon form (liturgy)
- Know symbols and meanings for fermata and tenuto
- Compare the tone qualities of orchestral music from different cultures
- Identify and sing early Advent hymns

## **LANGUAGE ARTS**

### **Viewing**

- Scan for a specific purpose using visual media
- Define and interpret examples of literary forms from visual media

### **Listening**

- Adapt listening strategies to fit various situations
- Analyze presentations using established criteria
- Follow multi-step instructions

### **Reading**

- Adapt pace and reading techniques
- Understand specific devices an author uses to accomplish purpose
- Recognize and determine meaning of non-standard usage – images, slang, dialects
- Read for comprehension and application

### **Speaking**

- Use effective speaking skills in varied situations
- Use appropriate verbal and non-verbal techniques for oral presentations

## **Visually Representing**

- Produce visual media to support an opinion
- Generate visual media to compare and contrast information
- Design visual media to conduct an interview
- Demonstrate how media effects the coverage of events or issues

## **Writing**

- Begin word processing in all subject areas
- Practice the writing process
- Use characteristics of good writing
- Write entertaining and complete stories
- Check for effective transitions between sentences to unify ideas
- Write clear, coherent, and focused essays and reports including footnotes and italics

## **MATH**

### **Number and Operations**

- Understand the meaning and use of exponents
- Understand the associative property of addition and multiplication
- Extend understanding of whole number operations to fractions, decimals, percents and mixed numbers
- Understand and apply divisibility rules
- Round decimals to the nearest thousandths
- Understand the concepts of ratio, percent and percentage
- Compare and order improper fractions, mixed numbers and decimal fractions to thousandths
- Develop meaning for integers and use integers to represent and compare quantities
- Add, subtract, multiply and divide integers
- Give the prime factorization of a number
- Use factor trees to give the prime factorization of a number
- Convert fractions to decimals to percents and vice versa
- Convert fractions to terminating, repeating or rounded decimals
- Solve proportions with an unknown
- Understand and use mathematical vocabulary appropriately
- Write a remainder as a fraction or decimal
- Find the percent of a number
- Find the percent one number is of another and find the original number when the percent is given
- Use percents to determine sales tax, commission, discount and simple interest

### **Algebra**

- Write, solve and graph linear equations
- Use two-step operations to solve linear equations
- Write and solve inequalities
- Infer and use a rule to determine a missing number
- Use appropriate mathematical vocabulary and properties
- Compare integers on a number line

### **Geometry**

- Define and use appropriate geometrical vocabulary
- Use strategies to develop formulas for determining perimeter and area of triangles, rectangles and parallelograms and volume of rectangular prisms
- Find the area of parallelograms and triangles
- Find the circumference and area of circles
- Find the volume and surface area of prisms
- Classify triangles according to the angles and sides
- Understand parallel, intersecting, and perpendicular lines
- Measure an angle using a protractor
- Draw similar figures that model proportional relations
- Explore fractal patterns
- Do geometric construction, e.g. bisect a segment

### **Measurement**

- Describe how perimeter, area and volume are affected when dimensions of a figure are changed
- Use strategies to develop formulas for finding circumference and area of circles, and area of sectors

- Express solutions to the nearest unit
- Estimate length, area, volume, perimeter, circumference, area of a circle, various shapes and surfaces using everyday objects
- Make conversions within the same measurement system while performing computations
- Use indirect measurement such as similar triangles to solve problems

## **Data Analysis and Probability**

- Calculate the probability of independent and dependent events
- Construct a multiple line graph
- Make logical inferences from statistical data
- Calculate the odds
- Design an experiment to test a theoretical probability and explain how the results may vary
- Construct a scatter plot
- Make organized lists and tree diagrams

## **PHYSICAL EDUCATION**

### **Spiritual Emphasis**

- Recognize that God's ideal for quality living includes a healthy lifestyle
- Incorporate into one's lifestyle the principles that promote health: nutrition, exercise, water, sunlight, temperance, air, rest, trust in God
- Avoid at-risk behaviors
- Apply Christian principles in recreation and sports
- Achieve a balance in work and leisure; balancing physical, mental, social and spiritual activities
- Recognize the interaction of physical, mental and spiritual health with emotional and social well-being

### **Movement and Motor Skills**

- Demonstrate mature form for all basic manipulative, locomotor and non-locomotor skills
- Demonstrate increasing competence in more advanced skills
- Adapt and combine skills to the demands of increasingly complex situations of selected movement forms
- Demonstrate beginning strategies for net and invasion games
- Apply previously learned knowledge to improve performance
- Apply information from a variety of internal and external sources to improve performance
- Identify and apply principles of practice and conditioning that enhance performance
- Recognize sport specific movement patterns applied to games
- Understand terms that describe basic movement
- Use basic offensive/defensive strategies in non-complex settings

### **Lifestyle and Fitness**

- Identify opportunities in the school and community for regular participation in physical activity
- Participate daily in some form of health-enhancing physical activity
- Discover personal interests and capabilities in regard to one's exercise behavior
- Identify the critical aspects of a healthy lifestyle
- Participate in moderate to vigorous physical activity in a variety of settings
- Monitor intensity of exercise
- Understand the reason for proper cool-down/warm-up techniques
- Begin to develop a strategy for the improvement of selected fitness components
- Work somewhat independently with minimal supervision in pursuit of personal fitness goals
- Meet the health-related fitness standards as defined by a standard physical fitness test, e.g. AAHPERD Physical Best, Fitnessgram, President's Challenge
- Recognize physical activity as a positive opportunity for social and group interaction
- Experience enjoyment from participation in physical activities
- Use physical activity to express feelings and relieve stress
- Seek personally challenging experiences

### **Sportsmanship and Appropriate Behaviors**

- Participate in establishing rules, procedures and etiquette that are safe and effective for specific activity situations
- Work cooperatively and productively in a group to accomplish a set goal in cooperative and competitive activities
- Make conscious Christ-like decisions about applying rules, procedures and etiquette
- Utilize time effectively to complete assigned tasks
- Acknowledge differences in the behaviors of people of different gender, culture, ethnicity, development and disability
- Cooperate with disabled peers and those of different gender, race, ethnicity and religion
- Work cooperatively with both more and less skilled peers

### **SCIENCE**

**Physical:** Electricity, Magnetism

- Compare and describe static and current electricity
- Identify the difference between conductors and insulators
- Differentiate between open and closed circuits and parallel and series circuits
- Identify characteristics of magnets and what causes magnetism
- Describe the relationship between electricity and magnetism
- Identify uses of electromagnets

**Life:** Human Body Systems

- Describe and explain the structure and functions of the human body in terms of cells, tissues and organs
- Describe the functions of each major organ system in the human body
- Describe and explain the relationship and interaction of the organ systems in the human body

**Earth:** Geology

- Describe Earth's structure and features
- Explain how Earth changes/has changed over time (e.g., erosion, weathering, earthquakes)
- Explore and interpret evidences for the Genesis Flood and the Ice Age
- Describe the components and relationships of Earth's land forms and geological features
- Describe the processes by which rocks and soils are formed
- Classify rocks, minerals and soils based on their origin and their chemical and physical properties
- Identify how successive layers of sedimentary rock and the fossils contained within them can be used to confirm the age, history and changing life forms of the Earth

**Health:** Drug Effects, Decision Making, Nutrition

- Define drug and identify helpful and harmful drugs
- Explain the short- and long-term physical and emotional consequences of drug use
- Identify personal and community resources for drug abuse education and treatment
- Describe the steps in decision-making, how values develop and how these apply to healthy choices
- Explain healthy eating practices and design nutritional goals based on national dietary guidelines and individual needs
- Identify eating disorders and explain how they adversely affect health

### **Scientific Inquiry**

- Make observations
- Ask questions or form hypotheses based on these observations
- Plan a simple investigation
- Collect data from the investigation
- Use the data collected from the investigation to explain the results
- Safely use and store tools and equipment

### **Service/Career Options**

- Explore ways to use Physical, Life, Health, and/or Earth Science to serve the community
- Identify careers in areas of science

### **SOCIAL STUDIES**

**History:** Canada and Latin America (Mexico, Central America, South America, Caribbean)

- Understand God's ultimate control over the world's history
- Describe the relationship between key people/groups, events and cultures in Canada and Latin America
- Know causes and effects of key influences/events and be able to place them on a time line
- Understand and interpret key events and issues in Canadian and Latin American history around commonality-diversity, continuity-change, conflict-cooperation, and individualism-interdependence
- Interpret major events, issues and developments involved in making a new nation within the following topical areas: Canada-First Canadians, Exploration, Settlements, Expansion and Modern Canada; Latin America-Mayas, Aztecs, Incas, European Explorers, Conquests, Colonization, Independence and Modern Latin America
- Understand the role and work of the Adventist Church in Canada and Latin American countries
- Understand how current events are influenced by past events

### **Civics**

- Understand how gaining independence and participating in government affects citizen life
- Understand the development of constitutions and their impact on governments and their people
- Know the importance of Christian citizenship
- Understand cultural diversity in the social structure of each country
- Investigate why socially unacceptable ways of achieving group goals are practiced

### **Geography**

- Prepare, examine and interpret charts and maps that show key geographic information such as population, climate and natural resources
- Locate and identify the countries
- Identify patterns of migration and cultural interactions
- Understand the effects of weather/climate on migration patterns
- Understand how natural forces and human activity (e.g. pollution, deforestation, flooding) have affected the physical environment

### **Economics**

- Understand responsibilities of Christian stewardship in a global economy
- Understand that all economic choices have costs and benefits
- Know the differences between needs and wants and their relationship to economic tradeoffs
- Understand how supply/demand and price increase/decrease influence consumers and the economy
- Identify economic systems and terms e.g., capitalism, socialism, inflation and free enterprise
- Identify natural resources, their development, and impact on a country's economy

### **TECHNOLOGY**

- Demonstrate proper use/care of computers, input/output devices
- Learn to troubleshoot for basic malfunctions
- Practice keyboarding, using correct hand position and posture
- Use word processing, editing and file management skills
- Begin using presentation software
- Use electronic resources to enhance and access information
- Know proper technology terms
- Understand consumer issues regarding technology
- Investigate technology-related occupations
- Use courtesy while sharing computer time
- Become aware of legal issues when using software
- Identify computer abuse including use of Internet

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## SEVENTH-DAY ADVENTIST

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## KEY LEARNINGS Sixth Grade